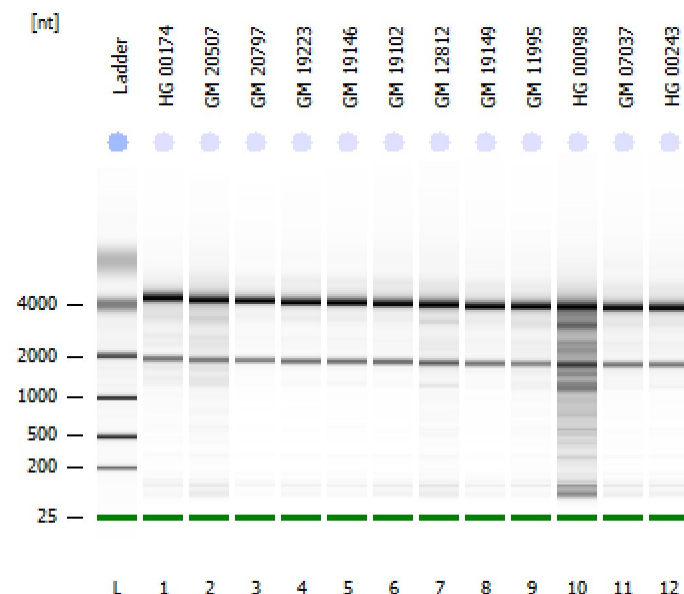


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_08-27-50.xad

Created: 10/24/2011 8:27:49 AM
Modified: 10/24/2011 8:51:43 AM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

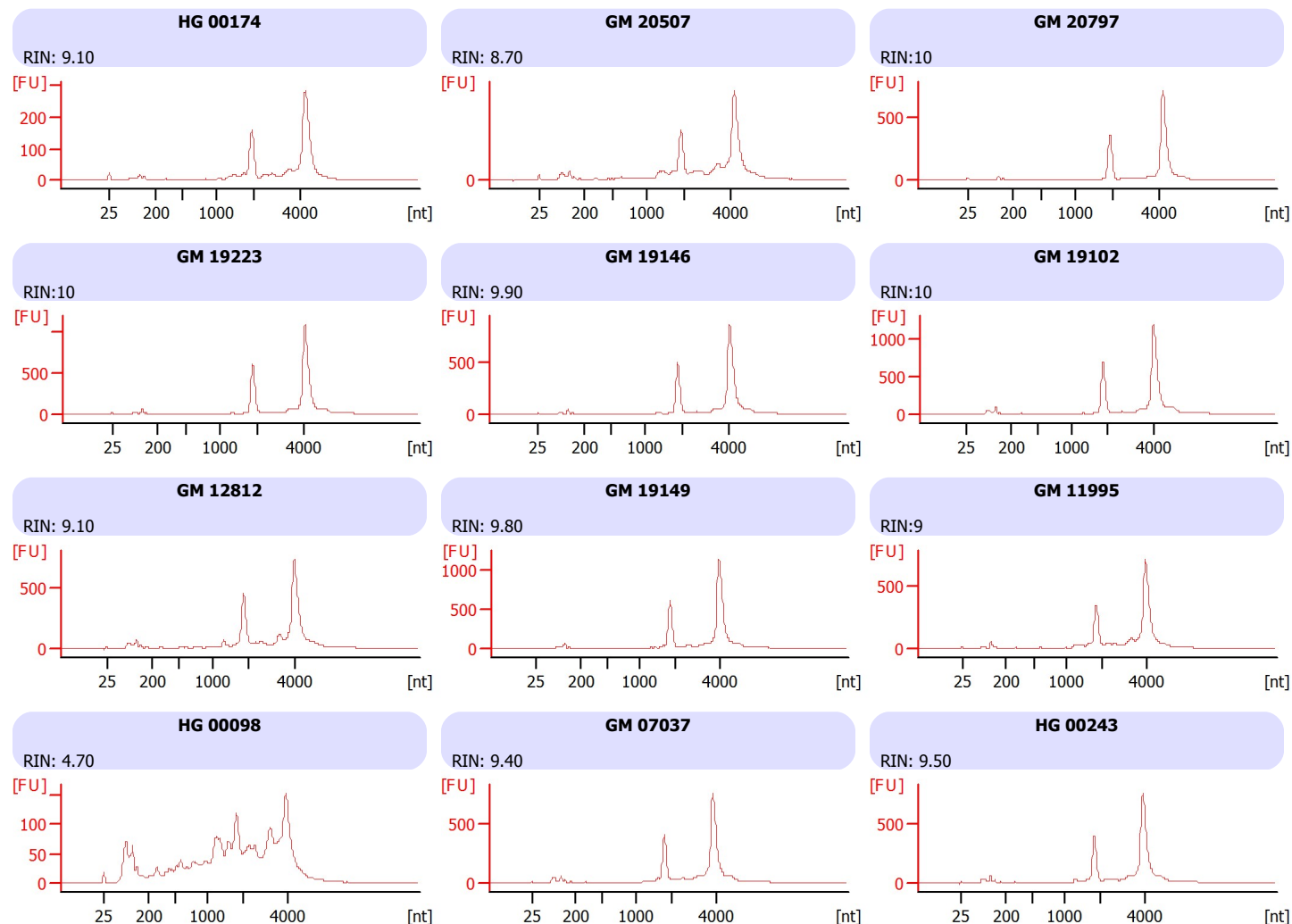
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_08-27-50.xad

Created: 10/24/2011 8:27:49 AM
Modified: 10/24/2011 8:51:43 AM

Electrophoresis File Run Summary (Chip Summary)

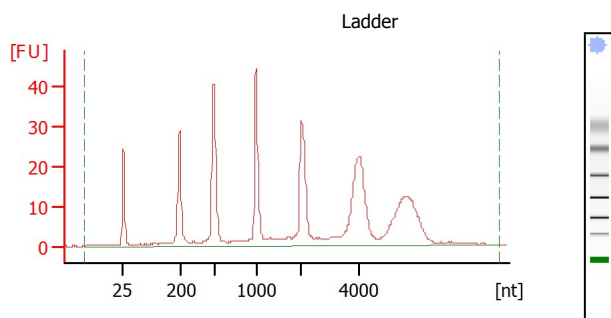
Sample Name	Sample Comment	Status	Result Label	Result Color
HG 00174		✓	RIN: 9.10	
GM 20507		✓	RIN: 8.70	
GM 20797		✓	RIN:10	
GM 19223		✓	RIN:10	
GM 19146		✓	RIN: 9.90	
GM 19102		✓	RIN:10	
GM 12812		✓	RIN: 9.10	
GM 19149		✓	RIN: 9.80	
GM 11995		✓	RIN:9	
HG 00098		✓	RIN: 4.70	
GM 07037		✓	RIN: 9.40	
HG 00243		✓	RIN: 9.50	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_08-27-50.xad

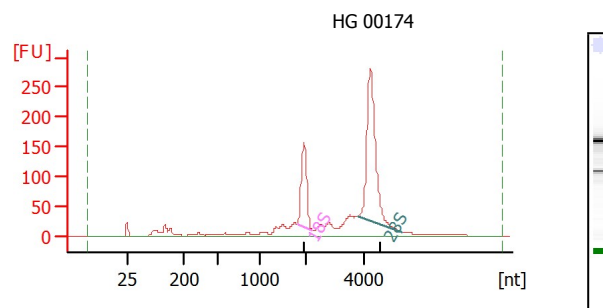
Created: 10/24/2011 8:27:49 AM
 Modified: 10/24/2011 8:51:43 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 431.2
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

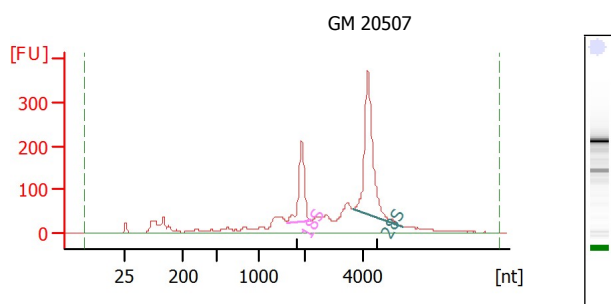


Overall Results for sample 1 : HG 00174

RNA Area: 1,633.5
 RNA Concentration: 568 ng/μl
 rRNA Ratio [28s / 18s]: 2.5
 RNA Integrity Number (RIN): 9.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.10

Fragment table for sample 1 : HG 00174

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,808	2,223	234.1	14.3
28S	3,790	5,342	575.0	35.2

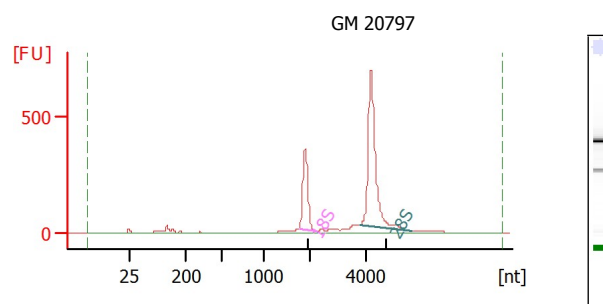


Overall Results for sample 2 : GM 20507

RNA Area: 2,671.5
 RNA Concentration: 929 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 8.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.70

Fragment table for sample 2 : GM 20507

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,593	2,154	316.9	11.9
28S	3,653	5,371	716.9	26.8



Overall Results for sample 3 : GM 20797

RNA Area: 2,615.6
 RNA Concentration: 910 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 10

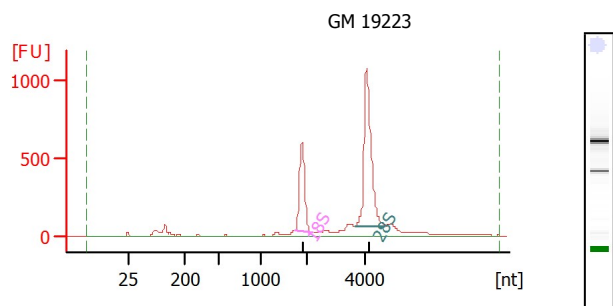
Fragment table for sample 3 : GM 20797

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,778	2,228	525.0	20.1
28S	3,753	5,540	1,278.2	48.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_08-27-50.xad

Created: 10/24/2011 8:27:49 AM
 Modified: 10/24/2011 8:51:43 AM

Electropherogram Summary Continued ...

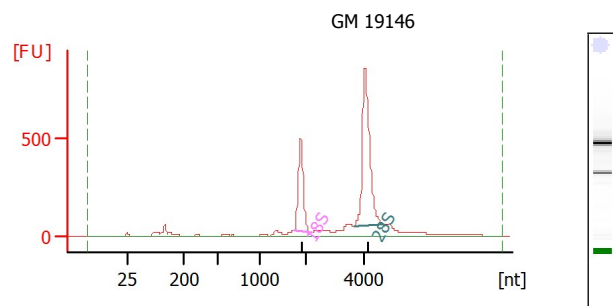


Overall Results for sample 4 : GM 19223

RNA Area: 4,516.5
 RNA Concentration: 1,571 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 4 : GM 19223

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,750	2,184	909.3	20.1
28S	3,681	4,712	1,860.3	41.2

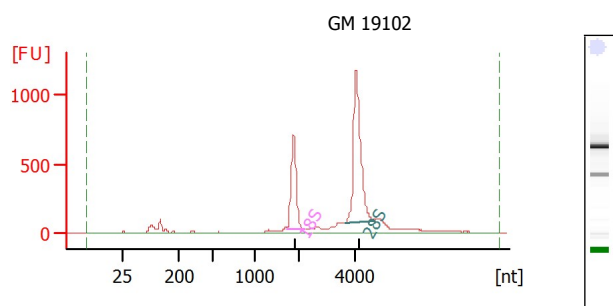


Overall Results for sample 5 : GM 19146

RNA Area: 3,834.5
 RNA Concentration: 1,334 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 5 : GM 19146

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,744	2,208	741.2	19.3
28S	3,658	4,742	1,547.4	40.4

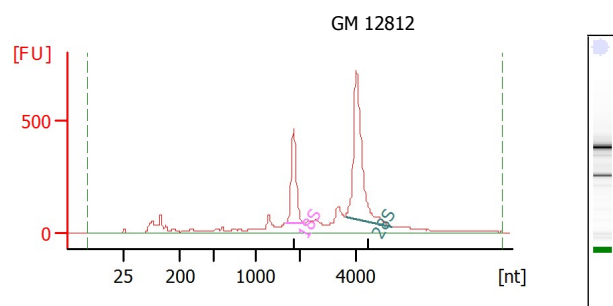


Overall Results for sample 6 : GM 19102

RNA Area: 5,503.9
 RNA Concentration: 1,915 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 6 : GM 19102

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,734	2,170	1,070.4	19.4
28S	3,638	4,691	2,093.5	38.0



Overall Results for sample 7 : GM 12812

RNA Area: 4,664.1
 RNA Concentration: 1,622 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.10

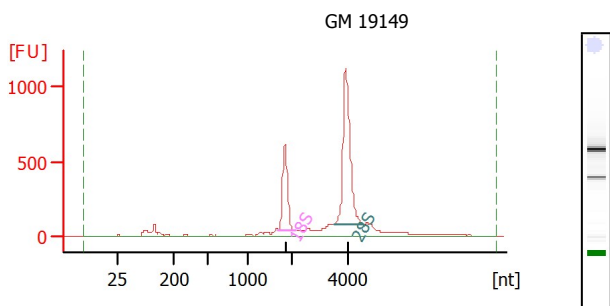
Fragment table for sample 7 : GM 12812

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,694	2,139	667.1	14.3
28S	3,580	5,245	1,475.8	31.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_08-27-50.xad

Created: 10/24/2011 8:27:49 AM
 Modified: 10/24/2011 8:51:43 AM

Electropherogram Summary Continued ...

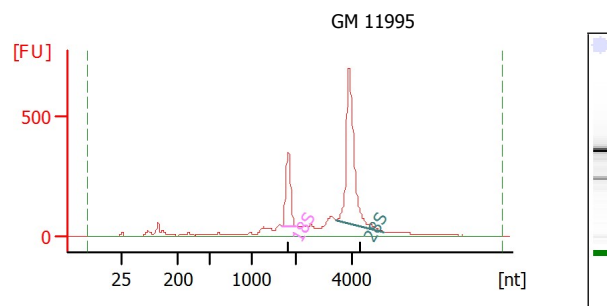


Overall Results for sample 8 : GM 19149

RNA Area: 5,147.2
 RNA Concentration: 1,791 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.80

Fragment table for sample 8 : GM 19149

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,687	2,103	920.1	17.9
28S	3,512	4,560	1,979.3	38.5

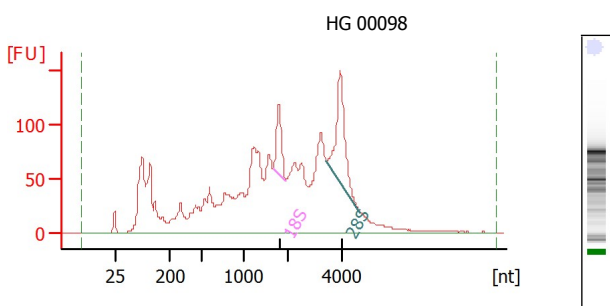


Overall Results for sample 9 : GM 11995

RNA Area: 3,794.7
 RNA Concentration: 1,320 ng/μl
 rRNA Ratio [28s / 18s]: 2.9
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9

Fragment table for sample 9 : GM 11995

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	2,024	474.7	12.5
28S	3,454	5,155	1,359.2	35.8

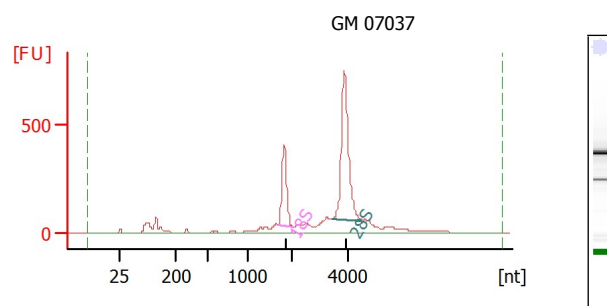


Overall Results for sample 10 : HG 00098

RNA Area: 3,255.6
 RNA Concentration: 1,133 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 4.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 4.70

Fragment table for sample 10 : HG 00098

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,678	1,955	102.1	3.1
28S	3,397	4,639	236.0	7.2



Overall Results for sample 11 : GM 07037

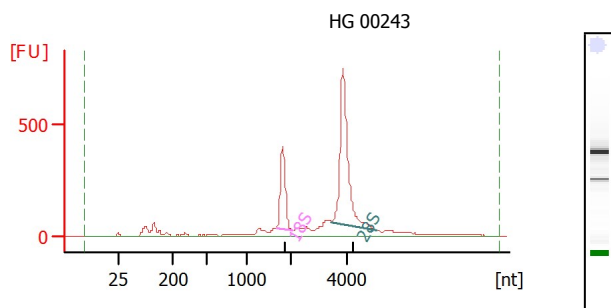
RNA Area: 4,058.2
 RNA Concentration: 1,412 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 9.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.40

Fragment table for sample 11 : GM 07037

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,667	2,032	582.8	14.4
28S	3,414	4,506	1,346.6	33.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_08-27-50.xad

Created: 10/24/2011 8:27:49 AM
Modified: 10/24/2011 8:51:43 AM

Electropherogram Summary Continued ...**Overall Results for sample 12 : HG 00243**

RNA Area: 3,913.1
RNA Concentration: 1,361 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 9.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.50

Fragment table for sample 12 : HG 00243

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	2,036	591.4	15.1
28S	3,441	5,089	1,505.3	38.5